

WEST VIRGINIA

Science and Engineering Profile

	W. Virginia	U.S.	Rank		W. Virginia	U.S.	Rank
Doctoral scientists, 1993	1,546	430,332	45	Total R&D performance, 1993 (millions)	\$280	\$161,427	44
Doctoral engineers, 1993	372	81,293	37	Industry R&D, 1993 (millions)	\$100	\$117,622	43
S&E doctorates awarded, 1995	78	26,482	41	Academic R&D, 1994 (millions)	\$59	\$20,573	43
of which, in engineering	35%	23%		of which, in life sciences	47%	55%	
in life sciences	27%	24%		in engineering	22%	16%	
in physical sciences	15%	14%		in environmental sciences	12%	7%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	31	36,143	47	expenditures, 1993 (millions)	\$739	\$163,994	40
S&E graduate students, 1994				Number of SBIR awards, 1990-94	4	18,023	48
in doctorate-granting institutions	2,047	438,694	39	Patents issued to state residents, 1995	134	55,717	41
Population, 1995 (000s)	1,828	262,755	35	Gross state product, 1992 (billions)	\$30.7	\$5,994.1	40
Civilian labor force, 1995 (000s)	790	132,281	37	of which, agriculture	1%	2%	
Personal income per capita, 1995	\$17,915	\$22,788	49	manufacturing, mining, construction	30%	23%	
Federal spending				transportation, communication, utilities	13%	9%	
Total expenditures, 1995 (millions)	\$10,001	\$1,326,294	36	wholesale and retail trade	14%	16%	
R&D obligations, 1994 (millions)	\$213	\$65,654	35	finance, insurance, real estate	14%	18%	
				services	15%	20%	
				government	12%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in West Virginia by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	212,864	95,891	29,218	43,555	31,741	10,099	2,360	35
Department of Agriculture	20,189	15,104	0	0	3,783	1,302	0	24
Department of Commerce	0	0	0	0	0	0	0	na
Department of Defense	14,528	1,364	0	7,524	1,431	4,209	0	43
Department of Energy	93,528	62,063	0	29,538	1,927	0	0	13
Dept. of Health & Human Services	21,639	9,400	0	1,790	7,522	1,362	1,565	42
Department of the Interior	8,952	7,460	0	24	1,468	0	0	20
Department of Transportation	2,345	0	0	700	850	0	795	34
Environmental Protection Agency	308	0	0	308	0	0	0	43
Nat'l Aeronautics & Space Admin.	19,034	500	0	3,671	11,682	3,181	0	23
National Science Foundation	32,341	0	29,218	0	3,078	45	0	20
State rank	35	23	14	34	43	27	32	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

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